STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING
ERROR REPORT

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Application Serial Number: *10/533,826*
Source: *1Fwp*
Date Processed by STIC: *6/14/06*

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1. EFS-Bio (**<http://www.uspto.gov/ebc/efs/downloads/documents.htm>** , **EFS Submission User Manual** - ePAVE)
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Revised 01/10/06

IFWP

RAW SEQUENCE LISTING
PATENT APPLICATION: **US/10/533,826**

DATE: 06/14/2006
TIME: 10:22:17

Input Set : **A:\2488014-SEQ.txt**
Output Set: **N:\CRF4\06142006\J533826.raw**

```
 3  <110> APPLICANT: Gerard Marx
 4        Raphael Gorodetsky
 6  <120> TITLE OF INVENTION: LIPOSOMAL COMPOSITION COMPRISING HAPTOTACTIC PEPTIDES
 8  <130> FILE REFERENCE: 2488.014
10  <140> CURRENT APPLICATION NUMBER: 10/533,826
12  <141> CURRENT FILING DATE: 2005-05-03
14  <150> PRIOR APPLICATION NUMBER: PCT/IL03/000911
16  <151> PRIOR FILING DATE: 2003-11-03
18  <150> PRIOR APPLICATION NUMBER: IL152609
20  <151> PRIOR FILING DATE: 2002-11-03
22  <160> NUMBER OF SEQ ID NOS: 124
24  <170> SOFTWARE: PatentIn version 3.3
26  <210> SEQ ID NO: 1
27  <211> LENGTH: 180
28  <212> TYPE: PRT
29  <213> ORGANISM: Homo sapiens
31  <400> SEQUENCE: 1
33  Met Lys Ser Ile Tyr Phe Val Ala Gly Leu Phe Val Met Leu Val Gln
34  1               5                   10                  15
37  Gly Ser Trp Gln Arg Ser Leu Gln Asp Thr Glu Glu Lys Ser Arg Ser
38                  20                  25                  30
41  Phe Ser Ala Ser Gln Ala Asp Pro Leu Ser Asp Pro Asp Gln Met Asn
42              35                  40                  45
45  Glu Asp Lys Arg His Ser Gln Gly Thr Phe Thr Ser Asp Tyr Ser Lys
46          50                  55                  60
49  Tyr Leu Asp Ser Arg Arg Ala Gln Asp Phe Val Gln Trp Leu Met Asn
50  65                  70                  75                  80
53  Thr Lys Arg Asn Arg Asn Asn Ile Ala Lys Arg His Asp Glu Phe Glu
54                  85                  90                  95
57  Arg His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu
58                  100                 105                 110
61  Gly Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Gly
62              115                 120                 125
65  Arg Arg Asp Phe Pro Glu Glu Val Ala Ile Val Glu Glu Leu Gly Arg
66          130                 135                 140
69  Arg His Ala Asp Gly Ser Phe Ser Asp Glu Met Asn Thr Ile Leu Asp
70  145                 150                 155                 160
73  Asn Leu Ala Ala Arg Asp Phe Ile Asn Trp Leu Ile Gln Thr Lys Ile
74                  165                 170                 175
77  Thr Asp Arg Lys
78              180
81  <210> SEQ ID NO: 2
82  <211> LENGTH: 543
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 83 <212> TYPE: DNA
 84 <213> ORGANISM: Homo sapiens
 86 <400> SEQUENCE: 2
 87 atgaaaagca tttactttgt ggctggatta tttgtaatgc tggtacaagg cagctggcaa    60
 89 cgttcccttc aagacacaga ggagaaatcc agatcattct cagcttccca ggcagaccca   120
 91 ctcagtgatc ctgatcagat gaacgaggac aagcgccatt cacagggcac attcaccagt   180
 93 gactacagca agtatctgga ctccaggcgt gcccaagatt ttgtgcagtg gttgatgaat   240
 95 accaagagga acaggaataa cattgccaaa cgtcacgatg aatttgagag acatgctgaa   300
 97 gggacctttta ccagtgatgt aagttcttat ttggaaggcc aagctgccaa ggaattcatt   360
 99 gcttggctgg tgaaaggccg aggaaggcga gatttcccag aagaggtcgc cattgttgaa   420
101 gaacttggcc gcagacatgc tgatggttct ttctctgatg agatgaacac cattcttgat   480
103 aatcttgccg ccagggactt tataaactgg ttgattcaga ccaaaatcac tgacaggaaa   540
105 taa                                                                  543
108 <210> SEQ ID NO: 3
109 <211> LENGTH: 114
110 <212> TYPE: PRT
111 <213> ORGANISM: Homo sapiens
113 <400> SEQUENCE: 3
115 Met Lys Ser Ile Tyr Phe Val Ala Gly Leu Phe Val Met Leu Val Gln
116 1               5                   10                  15
119 Gly Ser Trp Gln Arg Ser Leu Gln Asp Thr Glu Glu Lys Ser Arg Ser
120             20                  25                  30
123 Phe Ser Ala Ser Gln Ala Asp Pro Leu Ser Asp Pro Asp Gln Met Asn
124         35                  40                  45
127 Glu Asp Lys Arg His Ser Gln Gly Thr Phe Thr Ser Asp Tyr Ser Lys
128     50                  55                  60
131 Tyr Leu Asp Ser Arg Arg Ala Gln Asp Phe Val Gln Trp Leu Met Asn
132 65                  70                  75                  80
135 Thr Lys Arg Asn Arg Asn Asn Ile Ala Lys Arg His Asp Glu Phe Glu
136                 85                  90                  95
139 Arg His Ala Glu Gly Thr Phe Thr Ser Asp Phe Pro Arg Arg Gly Arg
140                 100                 105                 110
143 His Cys
147 <210> SEQ ID NO: 4
148 <211> LENGTH: 469
149 <212> TYPE: DNA
150 <213> ORGANISM: Homo sapiens
152 <400> SEQUENCE: 4
153 atgaaaagca tttactttgt ggctggatta tttgtaatgc tggtacaagg cagctggcaa    60
155 cgttcccttc aagacacaga ggagaaatcc agatcattct cagcttccca ggcagaccca   120
157 ctcagtgatc ctgatcagat gaacgaggac aagcgccatt cacagggcac attcaccagt   180
159 gactacagca agtatctgga ctccaggcgt gcccaagatt ttgtgcagtg gttgatgaat   240
161 accaagagga acaggaataa cattgccaaa cgtcacgatg aatttgagag acatgctgaa   300
163 gggacctttta ccagtgattt tcccagaaga ggtcgccatt gttgaagaac ttggccgcag   360
165 acatgctgat ggttcttttct ctgatgagat gaacaccatt cttgataatc ttgccgccag   420
167 ggactttata aactggttga ttcagaccaa aatcactgac aggaaataa               469
170 <210> SEQ ID NO: 5
171 <211> LENGTH: 37
172 <212> TYPE: PRT
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173 <213> ORGANISM: Homo sapiens
175 <400> SEQUENCE: 5
177 His Asp Glu Phe Glu Arg His Ala Glu Gly Thr Phe Thr Ser Asp Val
178 1   5   10   15
181 Ser Ser Tyr Leu Glu Gly Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu
182   20   25   30
185 Val Lys Gly Arg Gly
186   35
189 <210> SEQ ID NO: 6
190 <211> LENGTH: 111
191 <212> TYPE: DNA
192 <213> ORGANISM: Homo sapiens
194 <400> SEQUENCE: 6
195 cacgatgaat ttgagagaca tgctgaaggg acctttacca gtgatgtaag ttcttatttg   60
197 gaaggccaag ctgccaagga attcattgct tggctggtga aaggccgagg a   111
200 <210> SEQ ID NO: 7
201 <211> LENGTH: 23
202 <212> TYPE: PRT
203 <213> ORGANISM: Homo sapiens
205 <400> SEQUENCE: 7
207 His Asp Glu Phe Glu Arg His Ala Glu Gly Thr Phe Thr Ser Asp Phe
208 1   5   10   15
211 Pro Arg Arg Gly Arg His Cys
212   20
215 <210> SEQ ID NO: 8
216 <211> LENGTH: 22
217 <212> TYPE: PRT
218 <213> ORGANISM: Homo sapiens
220 <400> SEQUENCE: 8
222 His Asp Glu Phe Glu Arg His Ala Glu Gly Thr Phe Thr Ser Asp Phe
223 1   5   10   15
226 Pro Arg Arg Gly Arg His
227   20
230 <210> SEQ ID NO: 9
231 <211> LENGTH: 21
232 <212> TYPE: PRT
233 <213> ORGANISM: Homo sapiens
235 <400> SEQUENCE: 9
237 His Asp Glu Phe Glu Arg His Ala Glu Gly Thr Phe Thr Ser Asp Phe
238 1   5   10   15
241 Pro Arg Arg Gly Arg
242   20
245 <210> SEQ ID NO: 10
246 <211> LENGTH: 19
247 <212> TYPE: PRT
248 <213> ORGANISM: Homo sapiens
250 <400> SEQUENCE: 10
252 His Asp Glu Phe Glu Arg His Ala Glu Gly Thr Phe Thr Ser Asp Phe
253 1   5   10   15

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256 Pro Arg Arg
260 <210> SEQ ID NO: 11
261 <211> LENGTH: 17
262 <212> TYPE: PRT
263 <213> ORGANISM: Homo sapiens
265 <400> SEQUENCE: 11
267 His Ala Glu Gly Thr Phe Thr Ser Asp Phe Pro Arg Arg Gly Arg His
268 1               5                   10              15
271 Cys
275 <210> SEQ ID NO: 12
276 <211> LENGTH: 16
277 <212> TYPE: PRT
278 <213> ORGANISM: Homo sapiens
280 <400> SEQUENCE: 12
282 His Ala Glu Gly Thr Phe Thr Ser Asp Phe Pro Arg Arg Gly Arg His
283 1               5                   10              15
286 <210> SEQ ID NO: 13
287 <211> LENGTH: 15
288 <212> TYPE: PRT
289 <213> ORGANISM: Homo sapiens
291 <400> SEQUENCE: 13
293 His Ala Glu Gly Thr Phe Thr Ser Asp Phe Pro Arg Arg Gly Arg
294 1               5                   10              15
297 <210> SEQ ID NO: 14
298 <211> LENGTH: 13
299 <212> TYPE: PRT
300 <213> ORGANISM: Homo sapiens
302 <400> SEQUENCE: 14
304 His Ala Glu Gly Thr Phe Thr Ser Asp Phe Pro Arg Arg
305 1               5                   10
308 <210> SEQ ID NO: 15
309 <211> LENGTH: 24
310 <212> TYPE: PRT
311 <213> ORGANISM: Artificial
313 <220> FEATURE:
314 <223> OTHER INFORMATION: synthetic peptide
317 <220> FEATURE:
318 <221> NAME/KEY: MISC_FEATURE
319 <222> LOCATION: (24)..(24)
320 <223> OTHER INFORMATION: Xaa=amide
322 <400> SEQUENCE: 15
324 His Asp Glu Phe Glu Arg His Ala Glu Gly Thr Phe Thr Ser Asp Phe
325 1               5                   10              15
328 Pro Arg Arg Gly Arg His Cys Xaa
329             20
332 <210> SEQ ID NO: 16
333 <211> LENGTH: 23
334 <212> TYPE: PRT
335 <213> ORGANISM: Artificial
```

Handwritten annotations: 23 (next to LENGTH: 24 circled on line 309); "Xaa can only represent a single amino acid, nothing else." (with "Xaa=amide" and "Xaa" circled); "It cannot represent a functional group"; 22 (next to LENGTH: 23 circled on line 333); W--> (next to line 328)

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337 <220> FEATURE:
338 <223> OTHER INFORMATION: synthetic peptide
341 <220> FEATURE:
342 <221> NAME/KEY: MISC_FEATURE
343 <222> LOCATION: (23)..(23)
344 <223> OTHER INFORMATION: Xaa=amide        same end
346 <400> SEQUENCE: 16
348 His Asp Glu Phe Glu Arg His Ala Glu Gly Thr Phe Thr Ser Asp Phe
349 1               5               10              15
352 Pro Arg Arg Gly Arg His (Xaa)
353               20
356 <210> SEQ ID NO: 17
357 <211> LENGTH: (22) 21
358 <212> TYPE: PRT
359 <213> ORGANISM: Artificial
361 <220> FEATURE:
362 <223> OTHER INFORMATION: synthetic peptide
365 <220> FEATURE:
366 <221> NAME/KEY: MISC_FEATURE
367 <222> LOCATION: (22)..(22)
368 <223> OTHER INFORMATION: Xaa=amide
370 <400> SEQUENCE: 17
372 His Asp Glu Phe Glu Arg His Ala Glu Gly Thr Phe Thr Ser Asp Phe
373 1               5               10              15
376 Pro Arg Arg Gly Arg (Xaa)
377               20
380 <210> SEQ ID NO: 18
381 <211> LENGTH: (20) 19
382 <212> TYPE: PRT
383 <213> ORGANISM: Artificial
385 <220> FEATURE:
386 <223> OTHER INFORMATION: synthetic peptide
389 <220> FEATURE:
390 <221> NAME/KEY: MISC_FEATURE
391 <222> LOCATION: (20)..(20)
392 <223> OTHER INFORMATION: Xaa=amide
394 <400> SEQUENCE: 18
396 His Asp Glu Phe Glu Arg His Ala Glu Gly Thr Phe Thr Ser Asp Phe
397 1               5               10              15
400 Pro Arg Arg (Xaa)
401           20
404 <210> SEQ ID NO: 19
405 <211> LENGTH: (18) 17
406 <212> TYPE: PRT
407 <213> ORGANISM: Artificial
409 <220> FEATURE:
410 <223> OTHER INFORMATION: synthetic peptide
413 <220> FEATURE:
414 <221> NAME/KEY: MISC_FEATURE
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W--> 352

W--> 376

W--> 400

This end appears in subsequent sequences too

FYI

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 06/14/2006
PATENT APPLICATION: US/10/533,826   TIME: 10:22:18

Input Set : **A:\2488014-SEQ.txt**
Output Set: **N:\CRF4\06142006\J533826.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:15; Xaa Pos. 24
Seq#:16; Xaa Pos. 23
Seq#:17; Xaa Pos. 22
Seq#:18; Xaa Pos. 20
Seq#:19; Xaa Pos. 18
Seq#:20; Xaa Pos. 17
Seq#:21; Xaa Pos. 16
Seq#:22; Xaa Pos. 14
Seq#:60; Xaa Pos. 18
Seq#:61; Xaa Pos. 12

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:15,16,17,18,19,20,21,22,31,32,33,34,35,36,37,38,49,50,51,52,53,54,55,56
Seq#:60,61,64,98,99,109,110,112,113,114,118,119,120,121,122,123

VERIFICATION SUMMARY DATE: 06/14/2006
PATENT APPLICATION: **US/10/533,826** TIME: 10:22:18

Input Set : **A:\2488014-SEQ.txt**
Output Set: **N:\CRF4\06142006\J533826.raw**

```
L:328 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:16
L:352 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:16
L:376 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:16
L:400 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:16
L:424 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:16
L:448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:16
L:468 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:488 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:1071 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:16
L:1091 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:0
```